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chh

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 99,743)

In application of:

Li *et al.*

Serial No.

09/458,553³³

Filed:

December 9, 1999

For:

Reporterless Genosensors using
Electrical Detection Methods

PATENT

10-27-00

Before the Examiner:

B. Sisson

Group Art Unit: 1655

official
10/17/00
B. S.

RESPONSE TO THE OFFICIAL ACTION
MAILED MAY 17, 2000

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

In response to the Official Action mailed May 17, 2000, Applicants respectfully request reconsideration of the above-identified application in light of the following amendments and remarks.

AMENDMENTS

IN THE CLAIMS:

Please amend the following claims:

2. (Amended) An apparatus for electrical detection of molecular interactions between an immobilized oligonucleotide probe and a target nucleic acid molecule, comprising:

- (a) a supporting substrate comprising ceramic, glass, silicon, fabric, or plastic,
 (b) a plurality of microelectrodes in contact with the supporting substrate,
 (c) a plurality of conjugated polymer films in contact with the microelectrodes and to which oligonucleotide probes are immobilized,
 (d) at least one counter-electrode in contact with the supporting substrate,
 (e) a means for producing electrical impedance at each microelectrode,

McDONNELL BOEHNEN HULBERT & BERGHOFF
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Chicago, Illinois 60606
(312) 913-0001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 99,743)

#8
10-21-00
PATENT

In application of:)
)
Li et al.)
)
Serial No. *533*)
09/458,553)
)
Filed: December 9, 1999)
)
For: Reporterless Genosensors using)
Electrical Detection Methods)

Before the Examiner:
B. Sisson

Group Art Unit: 1655

TRANSMITTAL LETTER

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

In regard to the above-identified application:

1. We are transmitting herewith the attached
 - a. Response to Official Action
 - c. Petition for Extension of Time
2. With respect to additional fees:
 - a. An additional fee of \$390.00 is required.
3. Please charge the full amount of any required fee, or credit any overpayment to Deposit Account No. 13-2490.
4. The undersigned hereby certifies that this Transmittal Letter and this paper, as described in paragraph 1 herein above, are being sent via facsimile transmission to the telephone number on the accompany Facsimile Transmittal Sheet, addressed to: Examiner B. Sisson, Group Art Unit 1655, c/o Assistant Commissioner of Patents, Washington, D.C. 20231 on this 17th day of October 2000.

By: 

Kevin E. Noonan, Ph.D.
Reg No. 35,303

LAW OFFICES

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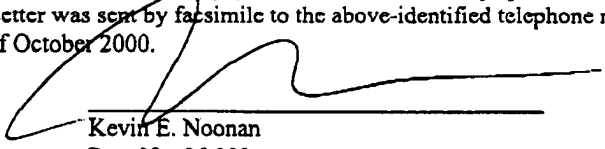
TO:	EXAMINER B. SISSON	FROM:	KEVIN E. NOONAN
COMPANY:	U.S. PATENT AND TRADEMARK OFFICE, GROUP ART UNIT 1655	DATE:	October 17, 2000
FAX NUMBER:	(703) 308-7230 - 8724	FIRM CODE:	
PHONE NUMBER:	(703) 308-3978	NO. OF PAGES:	8 (including cover page)

RE: RESPONSE TO THE OFFICIAL ACTION MAILED MAY 17, 2000
U.S. PATENT APPLICATION SERIAL NO. 09/458,533
FILED DECEMBER 9, 1999
OUR CASE NO. 99,743

NOTES/COMMENTS:

Please deliver to Examiner Sisson as soon as possible.

Certificate of Facsimile Transmission: The undersigned attorney hereby certifies by his signature below that the foregoing papers as described in Paragraph 1 of the accompanying Transmittal Letter was sent by facsimile to the above-identified telephone number on Tuesday the 17th day of October 2000.


Kevin E. Noonan
Reg. No. 35,303

Please notify Susan Anaszewicz (312/913-0001, ext. 2152) if all pages are not received.